

## SEQUENCE LISTING

<110> Ferrara, Napoleone  
Watanabe, Colin  
Wood, William I.

<120> EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES  
AND METHODS OF USE

<130> GENENT.1516A

<140> US 09/886,242

<141> 2001-06-20

<150> US 60/230,978

<151> 2000-09-07

<150> US 60/213,637

<151> 2000-06-23

<150> US 60/145,698

<151> 1999-07-26

<150> US 60/096,146

<151> 1998-08-11

<150> PCT/US00/32678

<151> 2000-12-01

<150> PCT/US00/08439

<151> 2000-03-30

<150> PCT/US00/04914

<151> 2000-02-24

<150> PCT/US00/00219

<151> 2000-01-05

<150> PCT/US99/12252

<151> 1999-06-02

<150> US 09/709,238

<151> 2000-11-08

<150> US 09/380,137

<151> 1999-08-25

<160> 18

<170> FastSEQ for Windows Version 4.0

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<211> 1415

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;400&gt; 1

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&lt;210&gt; 2

&lt;211&gt; 105

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;400&gt; 2

```

Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val
1          5          10          15
Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys
20          25          30
Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
35          40          45
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
50          55          60
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
65          70          75          80
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys
85          90          95
Ser Met Asp Leu Lys Asn Ile Asn Phe
100          105

```

&lt;210&gt; 3

&lt;211&gt; 374

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (0)...(0)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 3

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tcttcctagt aactgtgtct gactgtgtg tgatcacagg ggcctgtgag cgggatgtcc 180
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ccccgctggg gcgggaaggc gaggagtgcc accccggcag ccacaaggtc cctttcttca 300
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cagtacgtg ctca 374

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&lt;210&gt; 4

&lt;211&gt; 100

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 4

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Met Leu Leu Leu Leu Leu Leu Leu Pro Pro Leu Leu Leu Pro Arg Ala
 1             5             10             15
Gly Asp Ala Ala Val Ile Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys
 20             25             30
Gly Gly Gly Met Cys Cys Ala Val Ser Ile Trp Val Lys Ser Ile Arg
 35             40             45
Ile Cys Thr Pro Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr
 50             55             60
Arg Lys Val Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys
 65             70             75             80
Leu Pro Gly Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys
 85             90             95
Leu Ala Gln Lys
 100

```

&lt;210&gt; 5

&lt;211&gt; 79

&lt;212&gt; PRT

&lt;213&gt; Snake

&lt;400&gt; 5

```

Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Leu Gln Cys Gly Lys Gly
 1             5             10             15
Thr Cys Cys Ala Val Ser Leu Trp Ile Lys Ser Val Arg Val Cys Thr
 20             25             30
Pro Val Gly Thr Ser Gly Glu Asp Cys His Pro Ala Ser His Lys Ile
 35             40             45
Pro Phe Ser Gly Gln Arg Met His His Thr Cys Pro Cys Ala Pro Asn
 50             55             60
Leu Ala Cys Val Gly Thr Pro Lys Lys Phe Lys Cys Leu Ser Lys
 65             70             75

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&lt;210&gt; 6

&lt;211&gt; 83

<212> PRT  
<213> Homo sapiens

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Cys Asp Asn Gln Arg Asp Cys Gln Pro Gly Leu Cys Cys Ala Phe Gln  
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Arg Gly Leu Leu Phe Pro Val Cys Thr Pro Leu Pro Val Glu Gly Glu  
20 25 30  
Leu Cys His Asp Pro Ala Ser Arg Leu Leu Asp Leu Ile Thr Trp Glu  
35 40 45  
Leu Glu Pro Asp Gly Ala Leu Asp Arg Cys Pro Cys Ala Ser Gly Leu  
50 55 60  
Leu Cys Gln Pro His Ser His Ser Leu Val Tyr Val Cys Lys Pro Thr  
65 70 75 80  
Phe Val Gly

<210> 7  
<211> 79  
<212> PRT  
<213> Xenopus

<400> 7  
Cys Leu Arg Ser Thr Asp Cys Ala Pro Gly Leu Cys Cys Ala Arg His  
1 5 10 15  
Phe Trp Ser Lys Ile Cys Lys Pro Val Leu Asp Glu Gly Gln Val Cys  
20 25 30  
Thr Lys His Arg Arg Lys Gly Ser His Gly Leu Glu Ile Phe Gln Arg  
35 40 45  
Cys His Cys Gly Ala Gly Leu Ser Cys Arg Leu Gln Lys Gly Glu Phe  
50 55 60  
Thr Thr Val Pro Lys Thr Ser Arg Leu His Thr Cys Gln Arg His  
65 70 75

<210> 8  
<211> 79  
<212> PRT  
<213> Porcine

<400> 8  
Cys Leu Asn Ser Ala Gln Cys Lys Ser Asn Cys Cys Gln His Asp Thr  
1 5 10 15  
Ile Leu Ser Leu Ser Arg Cys Ala Leu Lys Ala Arg Glu Asn Ser Glu  
20 25 30  
Cys Ser Ala Phe Thr Leu Tyr Gly Val Tyr Tyr Lys Cys Pro Cys Glu  
35 40 45  
Arg Gly Leu Thr Cys Glu Gly Asp Lys Ser Leu Val Gly Ser Ile Thr  
50 55 60  
Asn Thr Asn Phe Gly Ile Cys His Asp Val Gly Arg Ser Ser Asp  
65 70 75

<210> 9  
<211> 17  
<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence = synthetic oligonucleotide

<400> 9

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17

<210> 10

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence = synthetic oligonucleotide

<400> 10

tgggcaagca aggacagg

18

<210> 11

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence = synthetic oligonucleotide

<400> 11

ccttcttcag gaaacgcaag caccac

26

<210> 12

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence = synthetic oligonucleotide

<400> 12

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19

<210> 13

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Artificial Sequence = synthetic oligonucleotide

<400> 13

ttgatccgca taatctgcat g

21

<210> 14

<211> 26

<212> DNA

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Sequence = synthetic oligonucleotide

&lt;400&gt; 14

tgtgcccact gaggagtcca acatca

26

&lt;210&gt; 15

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Sequence = synthetic oligonucleotide

&lt;400&gt; 15

aggccctacg tgcggcctca cacagcctgt tctga

35

&lt;210&gt; 16

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Sequence = synthetic oligonucleotide

&lt;400&gt; 16

aggccctaatt tgcggcctca cacagcctgt tctga

35

&lt;210&gt; 17

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Sequence = synthetic oligonucleotide

&lt;400&gt; 17

gctaaggacg tgctattcat ggggtgcagg aagat

35

&lt;210&gt; 18

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Artificial Sequence = synthetic oligonucleotide

&lt;400&gt; 18

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35